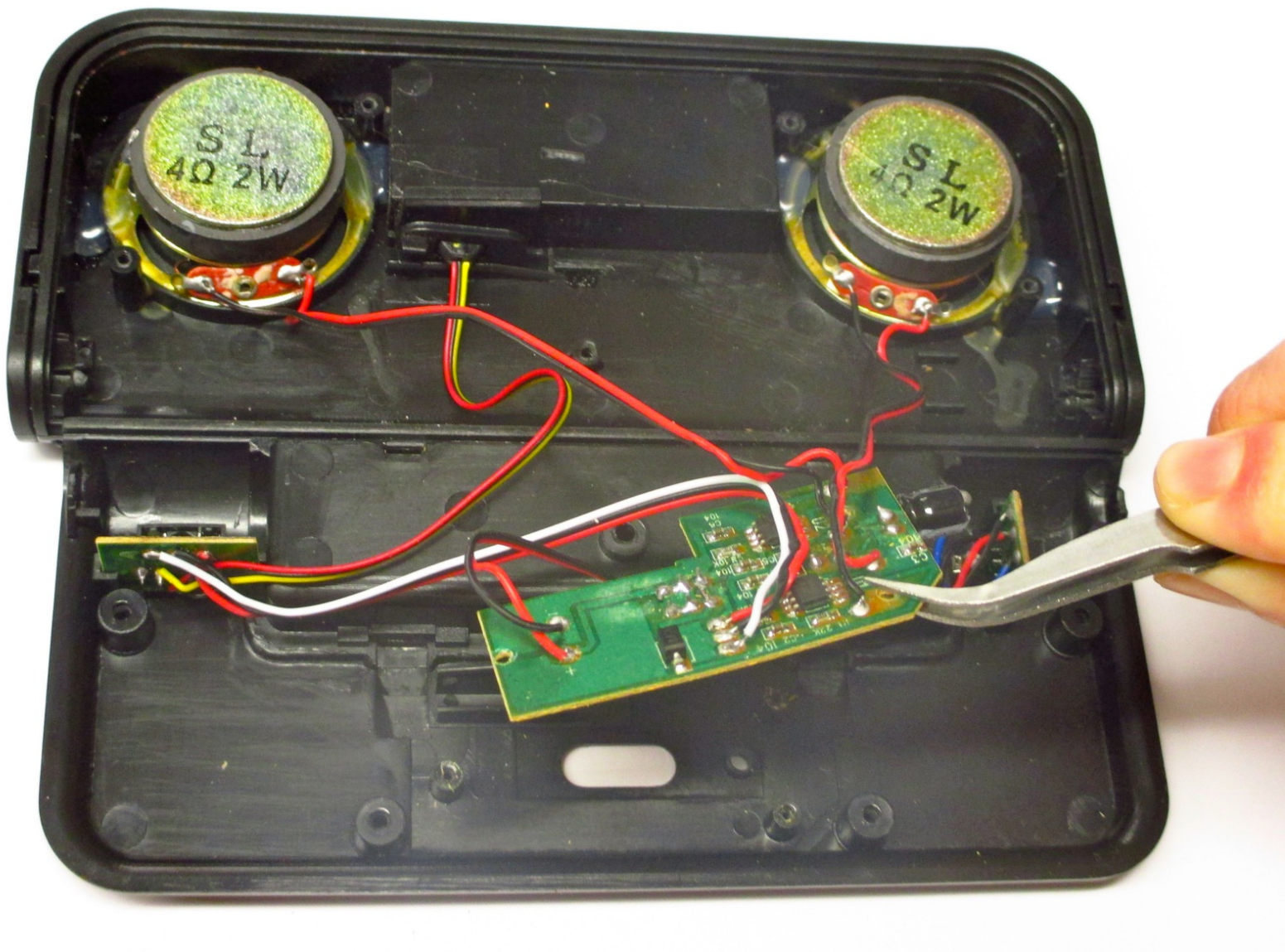




# iHip Fold-up Portable Speaker Motherboard Replacement

If the motherboard is not functioning correctly and requires replacement, refer to this guide.

Written By: Amanda





## TOOLS:

- [Phillips #1 Screwdriver](#) (1)
- [Tweezers](#) (1)
- [Portable Soldering Iron](#) (1)
- [Utility Scissors](#) (1)
- [Soldering Wire](#) (1)



## PARTS:

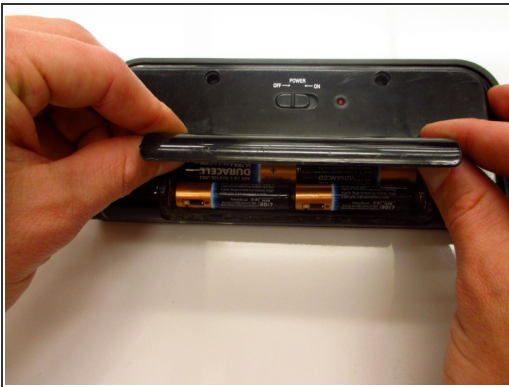
- [iHip Portable Speaker Motherboard](#) (1)

## Step 1 — Removing the battery case cover



- 1. Place the device on a flat surface as shown.
- ⓘ The battery case cover is found at the bottom of the device.
- 2. To remove the battery case cover, push down gently and slide the cover in the direction that the arrows indicate.

## Step 2 — Cleaning the battery case



- 1. Remove and discard the old batteries.
- 2. Use the detailing brush and a paper towel to remove any corrosion left by previous batteries.



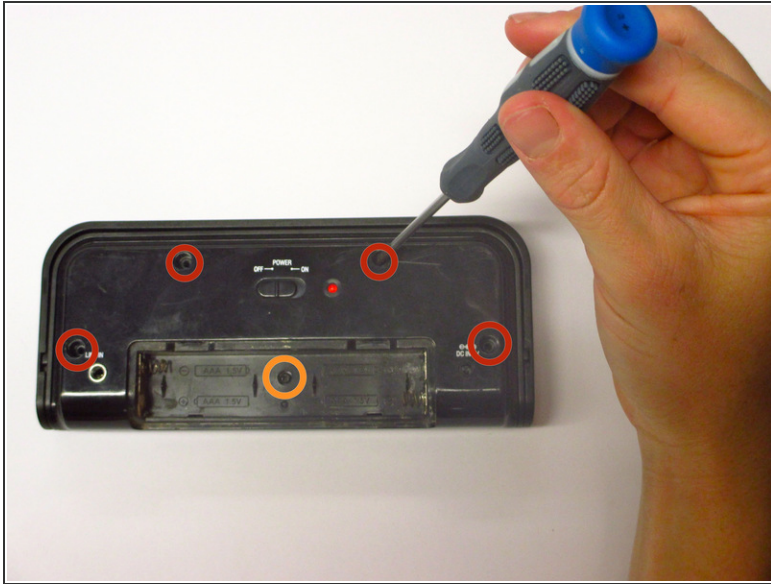
## Step 3 — Inserting new AAA batteries



- Insert batteries with the "-", or dull side, facing the springs.

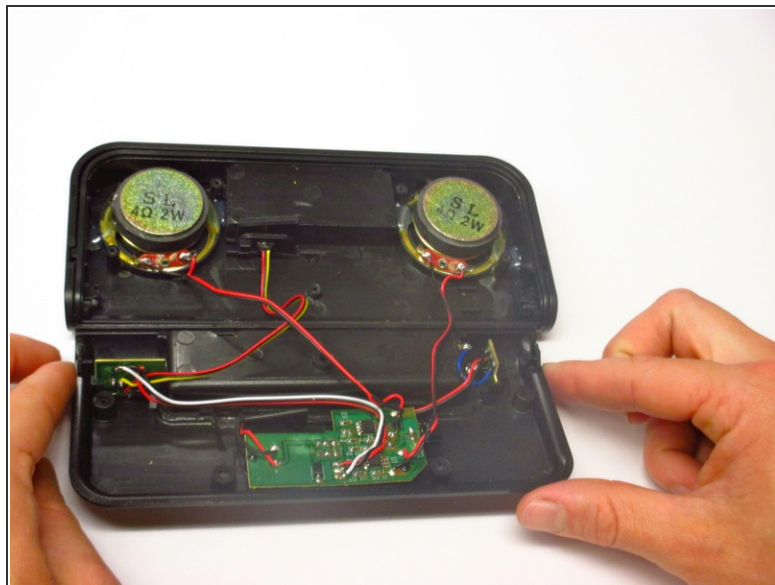
**i** If you are replacing the stand, you'll insert the batteries last.

## Step 4 — Removing the screws



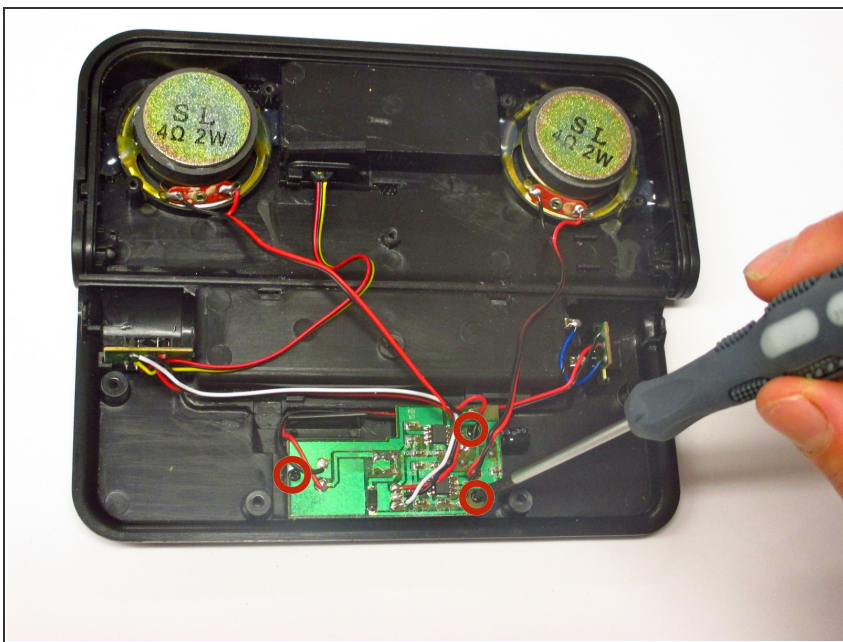
- Unscrew the four outer 1.0 mm screws with a Phillips-Head screwdriver.
  - ❗ Screws will be magnetized in position and will require the use of tweezers to be removed.
- Push down gently on the battery case cover and slide it in the direction the arrows indicate. Remove the batteries.
- Unscrew the 0.6 mm screw located in the center of the battery case.
- Keep 10 mm and 0.6 mm screws separate from each other for reassembly.

## Step 5 — Removing the back cover



- Remove the back cover carefully; there are many wires that connect it to the device.

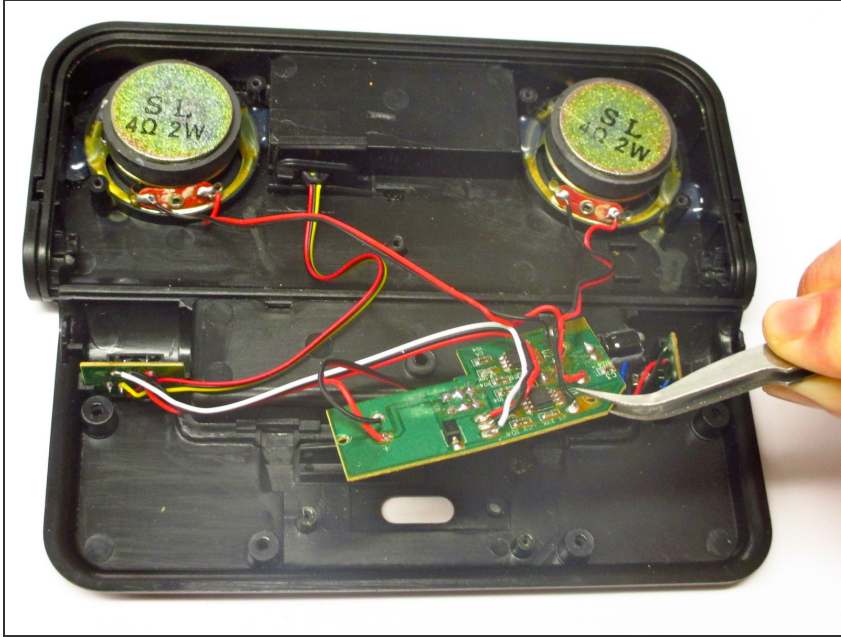
## Step 6 — Unscrewing the Motherboard



- Observe the location of the Motherboard at the bottom center of the device
- Using the Phillips #1 Screwdriver, carefully unscrew all three 0.4mm screws in the indicated locations

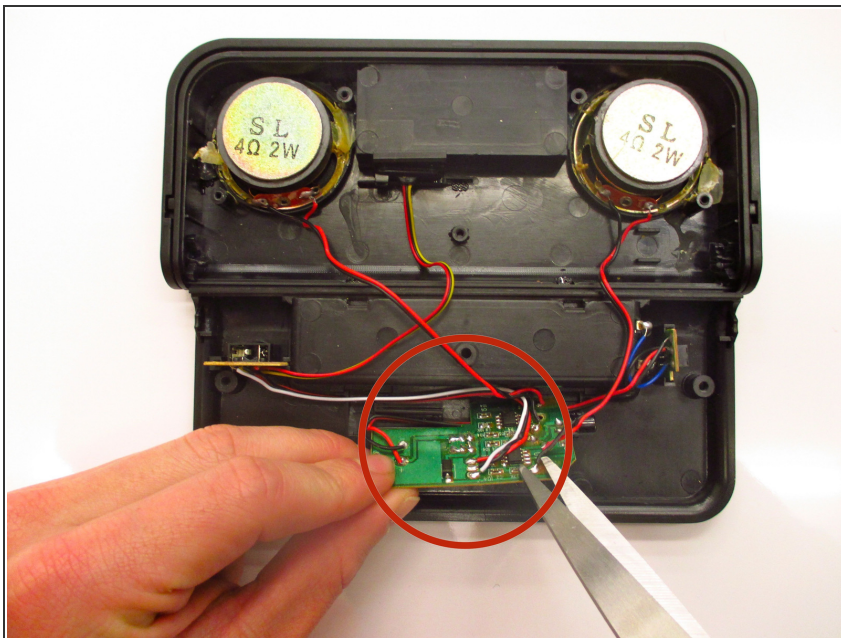


## Step 7 — Removing the Motherboard



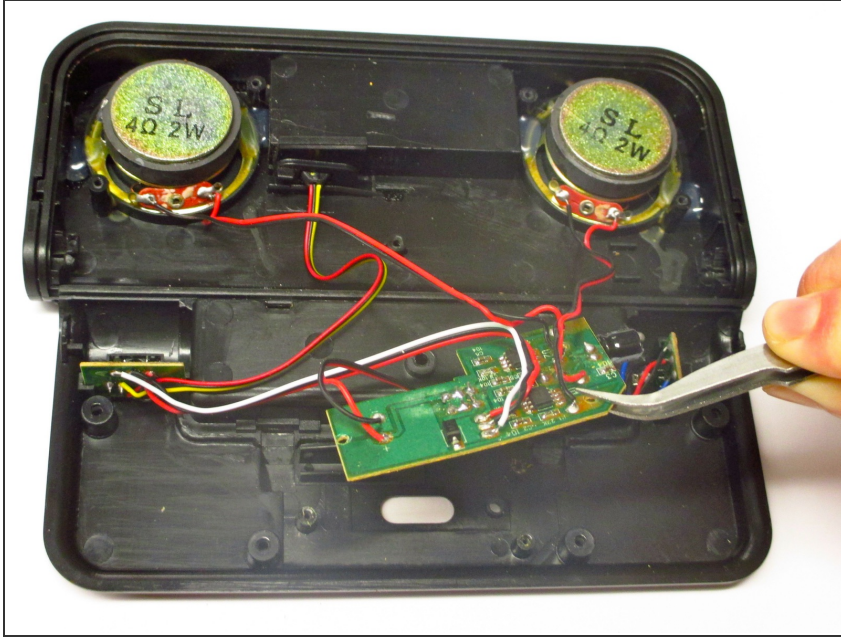
- Using the tweezers, gently remove the motherboard from the back cover of the device

## Step 8 — Cutting the Wires



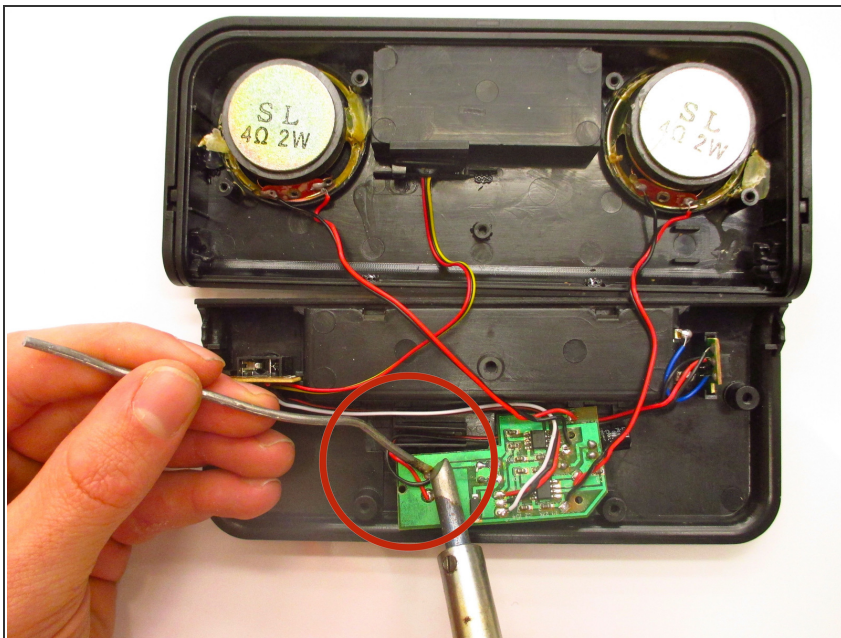
- Using the utility scissors, cut all of the wires connecting the motherboard to the back cover of the device

## Step 9 — Positioning the New Motherboard



- Using the tweezers, place the new motherboard in the exact position of the old motherboard

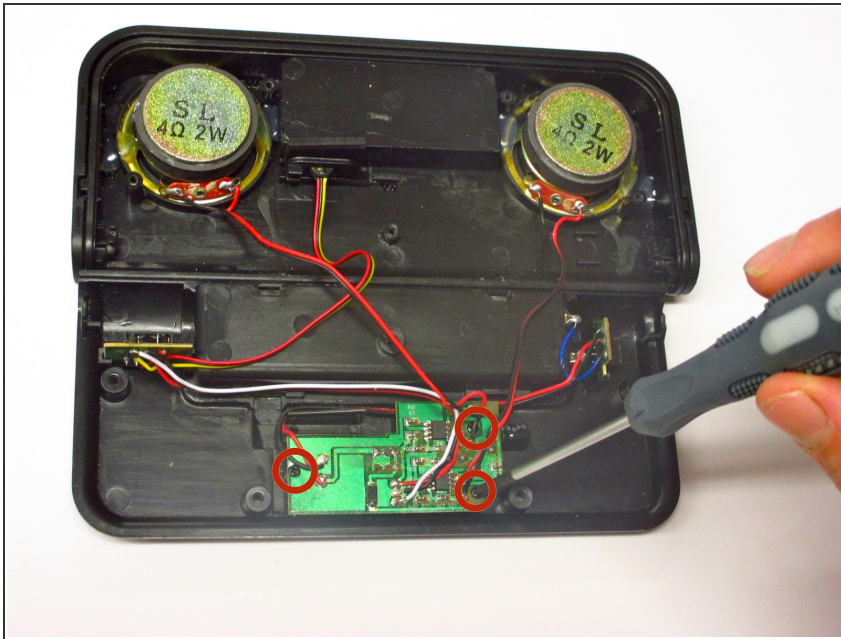
## Step 10 — Soldering the Wires



- ⚠ Heat the soldering iron for approximately five minutes, or until it has reached a sufficient temperature.
- position a strip of solder wire to the point of contact between the motherboard and each individual wire to their original position
- Position the heated soldering iron in contact with the soldering wire and reattach each wire to their original position
- ⚠ Exercise caution when using the soldering iron and soldering wire because it can reach extremely high temperatures.



## Step 11 — Securing the New Motherboard



- Using the Phillips #1 Screwdriver, screw the original screws into the correct place to secure the motherboard back in place

To reassemble your device, follow these instructions in reverse order.

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